Highway Crossing Bells

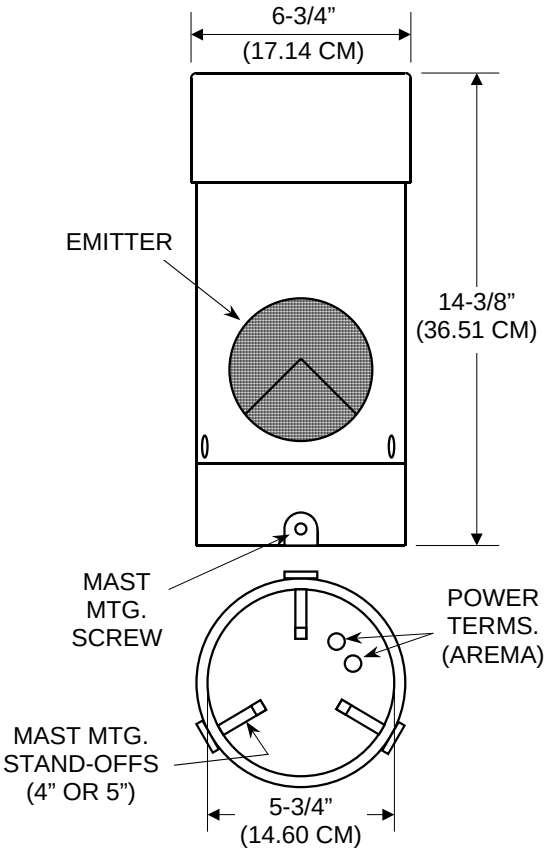
General Description

ASTS USA's Highway Crossing Bell gives added warning for pedestrians at highway crossings. In addition to traditional electro-mechanical bells, ASTS USA provides the latest in solid-state electronic bells which have no moving parts requiring maintenance. Two versions of the electronic bell are available, including the omni-directional "OB-1" which provides a 360 degree audible broadcast, and the uni-directional "UB-1" which provides a 180 degree broadcast. The UB-1 is ideal for directing the bell broadcast away from residential areas.

The stroke rate and audible level of the OB-1 and UB-1 comply with all applicable FCC and AREMA standards. All internal electronics are contained on a single circuit board that is coated for full weather protection, and the electronics include built-in transient surge protection. Mounting of the electronic bell models is accomplished on a 4" or 5" (10.2 cm or 12.7 cm) mast with a single 1/4-20 stainless steel screw.

The electro-mechanical version of the BA-10 Highway Crossing Bell consists of a steel gong mounted on a round cast aluminum housing. The housing is equipped with a rain hood and hinged aluminum cover which can be secured with a padlock. Mounting on a 4" or 5" (10.2 cm or 12.7 cm) mast is also accomplished with a 1/4-20 set screw.

Electronic Bell Design



Specifications

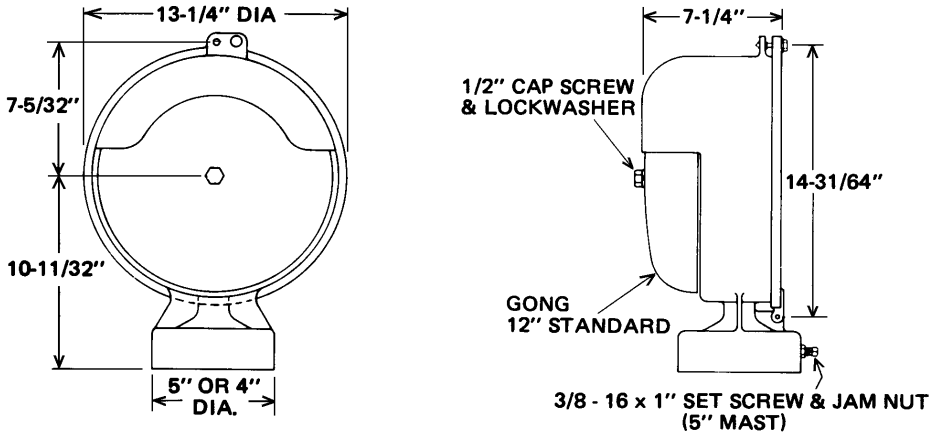
Electronic

Broadcast Options:	360° or 180°
Audible Range:	75 dBa (min.), 105 dBa (max.) @ 10'
Operating Power:	12 Vdc ±25%
Mast Mounting:	4" or 5" (10.2 cm or 12.7 cm)
Environmental:	Per AREMA C&S manual 11.5.1 Class B
Vibration and Shock:	Per ASTS USA spec EU-7997 Class B

Electro-Mechanical

Gong:	12" steel
Operating Power:	12 Vdc ±25%
Current Draw:	0.3A
Mast Mounting:	Mast Mounting: 4" or 5" (10.2 cm or 12.7 cm)

Electro-Mechanical Bell Design



Ordering Information

- Refer to ordering tabulation below for Highway Crossing Bell part numbers.
- Request ASTS USA Service Manual SM-5C3.0001 for installation and maintenance information.

Order No.	Highway Crossing Bells
N46730701	OB-1 Electronic Bell (360 deg. broadcast)
N46730702	UB-1 Electronic Bell (180 deg. broadcast)
J705173	Electro-Mechanical